



# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 143566

TO: Zohreh Fay  
Location: rem/3a61/3c70  
Art Unit: 1614  
Friday, January 28, 2005

Case Serial Number: 09/856987

From: Mary Jane Ruhl  
Location: Biotech-Chem Library  
Remsen 1-A-62  
Phone: 571-272-2524

maryjane.ruhl@uspto.gov

### Search Notes

Examiner Fay,

Here are the results for your recent search request.

Please feel free to contact me if you have any questions about these results.

Thank you for using STIC services. We appreciate the opportunity to serve you.

Sincerely,

Mary Jane Ruhl  
Technical Information Specialist  
STIC  
Remsen 1-A-62  
Ext. 22524

*mf*



# STIC SEARCH RESULTS FEEDBACK FORM

## Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact*:

Mary Hale, Information Branch Supervisor  
Remsen Bldg. 01 D86  
571-272-2507

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library Remsen Bldg.



# SEARCH REQUEST FORM

Access DB#

143566

Scientific and Technical Information Center

Requester's Full Name: Zohreh Farzi Examiner #: 66646 Date: 1/26/05  
Art Unit: 1614 Phone Number: (571) 272-6573 Serial Number: 0918561987  
Mail Box and Bldg/Room Location: 3C70 Results Format Preferred (circle): PAPER DISK E-MAIL  
3A61K

If more than one search is submitted, please prioritize searches in order of need.

ME

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or inquiry in the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: use of neurotrophic factor stimulators for the treatment of  
ophthalmic neurodegenerative diseases

Inventors (please provide full names):

10k-Hou Pang

Earliest Priority Filing Date: 12/3/1998

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

please search the claimed compounds for the  
claimed use.

Thanks,  
Zohreh

1-27-05

C. Chan  
Rush

=> d his ful

FILE 'REGISTRY' ENTERED AT 12:50:46 ON 28 JAN 2005

L1 6 SEA ABB=ON (NEOTROFIN OR ONO 2506 OR CB 1093 OR NS521 OR SS  
701 OR KT 711 OR CLENBUTEROL)/CN  
L2 0 SEA ABB=ON NS-521/CN  
E NS521/CN

FILE 'HCAPLUS' ENTERED AT 12:52:39 ON 28 JAN 2005

L3 1 SEA ABB=ON ?NS521?  
SELECT RN L3 1-1

FILE 'REGISTRY' ENTERED AT 12:53:45 ON 28 JAN 2005

L4 3 SEA ABB=ON (137632-07-6/BI OR 137632-08-7/BI OR 198969-52-7/BI  
)

FILE 'HCAPLUS' ENTERED AT 12:54:59 ON 28 JAN 2005

L5 678 SEA ABB=ON (?RETIN? OR ?OPTIC?(W)?NERV) (4A)?NEUROPATHY?  
L6 35 SEA ABB=ON L5 AND (?GLAUCOMA? OR ?OCUL?(W)?HYPERTENS?)  
L7 0 SEA ABB=ON L6 AND ?NEUROTROPH?(4A)?SIMULAT?  
L8 1 SEA ABB=ON L6 AND (L1 OR ?NEOTROFIN? OR ONO 2506 OR ONO2506  
OR CB 1093 OR CB1093 OR NS521 OR SS 701 OR SS521 OR NS 521 OR  
KT 711 OR KT711 OR ?CLENBUTEROL?)

FILE 'MEDLINE, BIOSIS, EMBASE, JAPIO, JICST-EPLUS' ENTERED AT 12:59:45 ON  
28 JAN 2005

L9 0 SEA ABB=ON L8

FILE 'HCAPLUS' ENTERED AT 13:00:57 ON 28 JAN 2005

L10 20454 SEA ABB=ON ?NEURODEGENERAT? OR ?NEURO?(W)?GENERAT?  
L11 171 SEA ABB=ON L10 AND (?GLAUCOMA? OR ?OCUL?(W)?HYPERTENS?)  
L12 1 SEA ABB=ON L11 AND (L1 OR ?NEOTROFIN? OR ONO 2506 OR ONO2506  
OR CB 1093 OR CB1093 OR NS521 OR SS 701 OR SS521 OR NS 521 OR  
KT 711 OR KT711 OR ?CLENBUTEROL?)

FILE 'MEDLINE, BIOSIS, EMBASE, JAPIO, JICST-EPLUS' ENTERED AT 13:02:29 ON  
28 JAN 2005

L13 0 SEA ABB=ON L12

*I approached this in a couple of different  
ways, & still could find only 1 hit-inventors.*

=&gt; d que stat 18

L1 6 SEA FILE=REGISTRY ABB=ON (NEOTROFIN OR ONO 2506 OR CB 1093 OR NS521 OR SS 701 OR KT 711 OR CLENBUTEROL)/CN  
 L5 678 SEA FILE=HCAPLUS ABB=ON (?RETIN? OR ?OPTIC?(W)?NERV) (4A)?NEURO PATHY?  
 L6 35 SEA FILE=HCAPLUS ABB=ON L5 AND (?GLAUCOMA? OR ?OCUL?(W)?HYPERT ENS?)  
 L8 1 SEA FILE=HCAPLUS ABB=ON L6 AND (L1 OR ?NEOTROFIN? OR ONO 2506 OR ONO2506 OR CB 1093 OR CB1093 OR NS521 OR SS 701 OR SS521 OR NS 521 OR KT 711 OR KT711 OR ?CLENBUTEROL?)

=&gt; d ibib abs 18 1-1

L8 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:383934 HCAPLUS

DOCUMENT NUMBER: 133:12771

TITLE: Use of neurotrophic factor stimulators for the treatment of ophthalmic neurodegenerative diseases

INVENTOR(S): Pang, Iok-Hou

PATENT ASSIGNEE(S): Alcon Laboratories, Inc., USA

SOURCE: PCT Int. Appl., 27 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000032197	A1	20000608	WO 1999-US28385	19991201
W: AU, BR, CA, CN, JP, KR, MX, US, ZA				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2353527	AA	20000608	CA 1999-2353527	19991201
BR 9915803	A	20010821	BR 1999-15803	19991201
EP 1135134	A1	20010926	EP 1999-965071	19991201
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002531405	T2	20020924	JP 2000-584892	19991201
AU 769290	B2	20040122	AU 2000-31066	19991201
ZA 2001002714	A	20020603	ZA 2001-2714	20010403
PRIORITY APPLN. INFO.:			US 1998-110983P	P 19981203
			WO 1999-US28385	W 19991201

AB Compns. and methods for the treatment of **retina** and optic nerve head **neuropathy** are disclosed. The compns. and methods are particularly directed to the use of neurotrophic factor stimulators, e.g. AIT-082 (**neotrofin**), in the treatment of **glaucomatous** neuropathy.

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=&gt; d ibib abs ind l11 1-1

L11 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2000:383934 HCAPLUS  
DOCUMENT NUMBER: 133:12771  
TITLE: Use of **neurotrophic** factor stimulators for  
the treatment of ophthalmic neurodegenerative diseases  
INVENTOR(S): **Pang, Iok-Hou**  
PATENT ASSIGNEE(S): Alcon Laboratories, Inc., USA  
SOURCE: PCT Int. Appl., 27 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000032197	A1	20000608	WO 1999-US28385	19991201
W: AU, BR, CA, CN, JP, KR, MX, US, ZA				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2353527	AA	20000608	CA 1999-2353527	19991201
BR 9915803	A	20010821	BR 1999-15803	19991201
EP 1135134	A1	20010926	EP 1999-965071	19991201
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002531405	T2	20020924	JP 2000-584892	19991201
AU 769290	B2	20040122	AU 2000-31066	19991201
ZA 2001002714	A	20020603	ZA 2001-2714	20010403
PRIORITY APPLN. INFO.:			US 1998-110983P	P 19981203
			WO 1999-US28385	W 19991201
AB	Compns. and methods for the treatment of retina and optic nerve head neuropathy are disclosed. The compns. and methods are particularly directed to the use of <b>neurotrophic</b> factor stimulators, e.g. AIT-082 (neotrofin), in the treatment of glaucomatous neuropathy.			
IC	ICM A61K031-522			
	ICS A61K031-122; A61K031-4439; A61K031-08; A61K031-7012; A61P025-02			
CC	1-11 (Pharmacology)			
	Section cross-reference(s): 63			
ST	<b>neurotrophic</b> factor stimulator ophthalmic neurodegenerative disease; retina neuropathy <b>neurotrophic</b> factor stimulator; optic nerve head neuropathy <b>neurotrophic</b> factor stimulator; glaucomatous neuropathy <b>neurotrophic</b> factor stimulator; AIT082 glaucomatous neuropathy; neotrofin glaucomatous neuropathy			
IT	<b>Neurotrophic</b> factors			
	RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)			
	(brain-derived; <b>neurotrophic</b> factor stimulators for treatment of ophthalmic neurodegenerative disease)			
IT	Eye			
	(ganglion cell; <b>neurotrophic</b> factor stimulators for treatment of ophthalmic neurodegenerative disease)			
IT	Glaucoma (disease)			
	(glaucomatous neuropathy; <b>neurotrophic</b> factor stimulators for treatment of ophthalmic neurodegenerative disease)			
IT	Nerve, disease			
	(neuropathy; <b>neurotrophic</b> factor stimulators for treatment of ophthalmic neurodegenerative disease)			
IT	Drug delivery systems			

## Nervous system agents

(**neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

IT **Neurotrophic** factors

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(**neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

## IT Drug delivery systems

(ophthalmic; **neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

## IT Nerve

(optic, optic nerve head neuropathy; **neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

## IT Drug delivery systems

(oral; **neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

## IT Eye, disease

(retinopathy, neuropathy; **neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

## IT Drug delivery systems

(solns., ophthalmic; **neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

## IT Drug delivery systems

(tablets; **neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

## IT Drug delivery systems

(topical; **neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

## IT 66575-29-9, Forskolin

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(**neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

## IT 37148-27-9, Clenbuterol 55242-55-2, Propentofylline 58186-27-9,

Idebenone 158014-66-5, SS-701 167678-65-1, CB1093 185517-21-9

192564-13-9, AIT-082 198969-52-7, NS 521 273213-25-5, KT 711

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(**neurotrophic** factor stimulators for treatment of ophthalmic neurodegenerative disease)

## REFERENCE COUNT:

13

THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT